O 1 P & 5077

EXPRESS MAIL Mailing Label Number EL 9344 09145 US

9 .	,Si/		
DECLARAT	AND POWER	Attorney Docket No.	RSA-054
	NEY FOR UTILITY	First Named Inventor	Brainard et al
OF	R DESIGN	C	OMPLETE IF KNOWN
PATENT	APPLICATION	Application Serial Number	10/010,769
☐ Declaration	Declaration	Filing Date	12/04/01
Submitted with	Submitted after Initial	Group Art Unit	2182
Initial Filing	Filing (surcharge	Examiner Name	Not yet assigned
	37 CFR 1.16(e) required)		

	7 CFR 1.16(e) requir	red)			Ì			
-								
As a below named invento								
My residence, mailing addr	ess, and citizenship	are as stated belo	w next to my name.					
I believe I am the original, names are listed below) of	first and sole invento	or (if only one na nich is claimed a	me is listed below) or nd for which a patent	an original, first is sought on the	and joint inventor (if plural invention entitled:			
names are used selowyer	Method And Appa	ratus For Perfor	ming Enhanced Time	-Based Authentic	ation			
	(Title of the Invention)							
the specification of which	he specification of which							
is attached herete)							
OR was filed on (MM/DD/YYYY)	12/04/20	001	as United States Appl	ication Serial Nu	mber or PCT International			
Application Number	10/010,769	and was amen	ded on (MM/DD/YYY	Y)	(if applicable).			
I hereby state that I have re any amendment specifical	I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.							
1.56, including for continu	ation-in-part applica	itions, material II	ntormation known by ling date of the contir	nuation-in-part ap	plication.			
I hereby claim foreign price certificate(s), or 365(a) of	of the prior application and the national or PCT international filing date of the continuation-in-part application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.							
Prior Foreign Application	I international appl	ication naving a	Foreign rilling Da	116 111011	certifica copy retinations			
Number(s)	Co	untry	(MM/DD/YYY)	() Not Clair	med YES NO			
	-							
Additional fore	ign application numb	ers are listed on	a supplemental prior	ity data sheet atta	ched hereto.			
I hereby claim the benefit	under 35 U.S.C. 119	9(e) of any Unite	d States provisional a	ipplication(s) list	ed below.			
Application Seria	l Number(s)	Filing D	ate (MM/DD/YYYY	A se	dditional provisional application rial numbers are listed on a applemental priority data sheet tached hereto.			

Declaration and Power of Attorney for Utility or Design Patent Application Serial No. 10/010,769 Atty. Docket No.RSA-054 Page 2 of 3

DECLAD	RATION- Ut	ility or	Design Pat	tent Ap	plication	
I hereby claim the benefit under 35 U. United States of America, listed below States or PCT International application which is material to patentability as de PCT international filing date of this ap	S.C. 120 of any United St and, insofar as the subject in in the manner provided efined in 37 CFR 1.56 wh	ates application	on(s), or 365(c), of any lich of the claims of this	PCT internation application is not a consider the second control of the second control o	al application designa ot disclosed in the price the duty to disclose rior application and th	information e national or
U.S. Parent Application of		Pa	rent Filing Date		Parent Patent Nu	ımber
Serial Numbe			MM/DD/YYYY)		(if applicable	e)
					·····	
Additional U.S. or PCT internation	onal application numbers	are listed on a	supplemental priority d	ata sheet attach	ed hereto.	
As a named inventor, I hereby appoin and Trademark Office connected ther	t the following registered ewith: Customer N OR	practitioners to umber	o prosecute this applica	tion and to tran	sact all business in the Place Cus Number Ba Label H	r Code Iere
	Registratio	n			Registra	
Michael J. Bastian Steven M. Bauer Elias C. Behrakis John V. Bianco Isabelle A.S. Blundell Maureen A. Bresnahan Michael H. Brodowski Jennifer A. Camacho Joseph A. Capraro, Jr. John J. Cotter Brian A. Fairchild John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Duncan A. Greenhalgh William G. Guerin Jonathan A. Harris Ira V. Heffan Danielle L. Herritt Douglas J. Kline	Number 47,411 31,481 47,416 36,748 43,321 44,559 41,640 43,526 36,471 38,116 P-48,645 42,545 33,497 47,577 44,691 38,678 41,047 44,744 41,059 43,670 35,574		Name John D. Lanza Kurt W. Lockwood Thomas C. Meyers Joseph B. Milstein David G. Miranda Ronda P. Moore Indranil Mukerji Edmund R. Pitcher Michael A. Rodrig Jamie H. Rose R. Stephen Rosenh Christopher W. Sta Diana M. Steel Joel Stettenheim Joseph P. Sullivan Robert J. Tosti Thomas A. Turanc Christine C. Vito Patrick R.H. Walle Daniel A. Wilson Gerald E. Worth Yin P. Zhang	uez olm amos	Numb 40,060 40,704 36,989 42,897 42,898 44,244 46,944 27,829 41,274 45,054 45,283 35,370 43,153 P-48,797 45,349 35,393 35,722 39,061 41,418 45,508 45,238 44,372	er.
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.		•				
Direct all correspondence to:	Patent Admin Testa, Hurwit High Street T 125 High Stre Boston, MA Tel. No.: (617 Fax No.: (617	z & Thibeaul ower eet 02110 7) 248-7000	lt, LLP			

Declaration and Power of Attorney for Utility or Design Patent Application Serial No. 10/010,769 Atty. Docket No.RSA-054 Page 3 of 3

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inv	entor:			A	petiti	ion has bee	en filed for this	s unsigi	ned inventor		
		المام المام المام	.43)	Family Name or Surname							
Given Name	(first and	d middle [if an	<u>y</u>])		Date	inard					
John G.					Dra		 	Date			
Inventor's Signature	Ich	w.G.	Bin	\mathcal{J}				3/8/2			
Residence	City	Sudbury	State	MA	(Country	USA		Citizenship	USA	
Mailing Address	16 Aar	on Road		_						T	
Mailing Address (In. 2)	City ·	Sudbury	State	MA	l		01776	Count		USA	
Additional inventors	are being	named on the	sı	ipplement	al Ad	lditional In	ventor(s) shee	t(s) atta	ched hereto). ·	
Name of Additional Join	t Invento	or, if any:		_		A petition	has been filed				
Given Name (first and middle [if any			ny])			Family Name or Surname					
Burton S.					ŀ	Kaliski, Jr					
Inventor's Signature	· ·	RAMA	V			••	٠	Date 3/8/	r0237		· .
Residence	City	Wellesley	State	MA		Country	USA		Citizenship	USA	
Mailing Address	22 Pen	nbroke Road	<u> </u>	<u> </u>							
Mailing Address (In. 2)	City	Wellesley	State	MA		ZIP	02482	Coun	try	USA	
Name of Additional Join	nt Invent	or, if any:			[A petit	ion has been fi	led for	this unsigne	ed invento	r
Given Nan	ne (first a	nd middle [if a	ny])		Family Name or Surname						
Ronald L.	<u> </u>				Ri	ivest			•		
Inventor's Signature								Date			
Residence	City .	Arlington	State	MA		Country	USA		Citizenshi	p USA	
Mailing Address	41 Ac	ademy Street								•	. 0
Mailing Address (In. 2)	City	Arlington	State	MA	_	ZIP	02476	Cou	ntry	USA	
					_						

attached hereto.

	٠	4.2
MAR 1	5	2002
33		of Oth

(A)				DC 4 C	VE 4		1
DECLARATION	AND POWER	Attorney I	Oocket No.	RSA-0			
OF ATTORNEY	OF ATTORNEY FOR UTILITY		First Named Inventor Brainard et al			·	
OR DESIGN			CC	OMPLE	TE IF KNOWN		
PATENT AP	PLICATION	Application	on Serial Number	10/01	<u> </u>		
☐ Declaration ☒	Declaration	Filing Da	te	12/04	/01 :		
Submitted with	Submitted after Initial	Group Ar	t Unit	2182			
Initial Filing	Filing (surcharge	Examine	Name	Not y	et assigned		}
_	37 CFR 1.16(e) required)						
My residence, mailing add	tor, I hereby declare that: dress, and citizenship are as , first and sole inventor (if f the subject matter which i	s stated below only one nar is claimed an	me is listed below) on the for which a paten	or an ori it is soug	,	int inventor (if pluon entitled:	ıral
	Method And Apparatus			e-Based	Authentication		
is a second of		(Title o	f the Invention)				
the specification of which is attached here							,
is attached here OR was filed on (MM/DD/YYYY)	12/04/2001		s United States App		Serial Number o	r PCT Internation	
Application Number	10/010,769 an	id was amen	ded on (MM/DD/YY	YY)			
any amendment specificates and acknowledge the duty to	o disclose to the Patent Of	fice all infor	mation known by m	ie to be i	material to patent	ability as defined able between the	in 37 CFR
of the prior application a	and the national or PC1 into	emanonai ii	(1) == (0) == 365(b)	ofany	foreign application	n(s) for patent, or	inventor's
certificate(s), or 365(a) of	riority benefits under 35 U. of any PCT international ap- nd have also identified belo PCT international application	opiication wi	incli designated at it	aian ant	dication for pater	nt, or inventor's hich priority is cl	aimed.
Prior Foreign Applicat	tion	O	Loteidir rinne.			Certified Copy YES	Attached?
Litter Loreign Whytien	Countr	·v	(MM/DD/YY)	YY)	Not Claimed	IES	

Prior Foreign Application		Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Cop YES	y Attached? NO
Number(s)	Country	(MINIPERILLE)			
.			<u> </u>		
	l plication numbers are listed on	a supplemental priority dat	ta sheet attached h	iereto.	<u> </u>
Additional foreign ap	plication numbers are listed on	d States provisional applic	etion(a) listed hel	OW	

Additional foreign application trans	V.) - C United States provisional application	on(s)	listed below.
I hereby claim the benefit under 35 U.S.C. 119 Application Serial Number(s)	Filing Date (MM/DD/YYYY)		Additional provisional application
			serial numbers are listed on a supplemental priority data sheet

Declaration and Power of Attorney for Utility or Design Patent Application Serial No. 10/010,769 Atty. Docket No.RSA-054

Page 2 of 3

DECLARATION- Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United

CT international filing date of this ap	DCT Parent	Parent Filing Date	Parent Patent Number
U.S. Parent Application or Serial Number	101111111	(MM/DD/YYYY)	(if applicable)
Serial Number			
•			
		a complemental priority data sheet att	ached hereto
Additional U.S. or PCT internation	nal application numbers are listed or	a supplemental priority data sheet att	action in the Detent
As a named inventor, I hereby appoint	the following registered practitioner	rs to prosecute this application and to t	Place Customer
and Trademark Office connected there	ewith: Customer Number		Number Bar Code
	OR		Label Here
	Registered practitions	r(s) name/registration number liste	ed below
	Registration	Ť	Registration
	Number	Name	Number
Name	47,411	John D. Lanza	40,060
Michael J. Bastian	31,481	Kurt W. Lockwood	40,704
Steven M. Bauer Elias C. Behrakis	47,416	Thomas C. Meyers	36,989
John V. Bianco	36,748	Joseph B. Milstein	42,897
Isabelle A.S. Blundell	43,321	David G. Miranda	42,898
Maureen A. Bresnahan	44,559	Ronda P. Moore	44,244
Michael H. Brodowski	41,640	Indranil Mukerji	46,944
Jennifer A. Camacho	43,526	Edmund R. Pitcher	27,829
Joseph A. Capraro, Jr.	36,471	Michael A. Rodriguez	41,274
John J. Cotter	38,116	Jamie H. Rose	45,054
Brian A. Fairchild	P-48,645	R. Stephen Rosenholm	45,283 35,370
John V. Forcier	42,545	Christopher W. Stamos	43,153
Steven J. Frank	33,497	Diana M. Steel	P-48,797
Kia L. Freeman	47,577	Joel Stettenheim	45,349
Brian M. Gaff	44,691	Joseph P. Sullivan Robert J. Tosti	35,393
Duncan A. Greenhalgh	38,678	Thomas A. Turano	35,722
William G. Guerin	41,047	Christine C. Vito	39,061
Jonathan A. Harris	44,744	Patrick R.H. Waller	41,418
Ira V. Heffan	41,059	Daniel A. Wilson	45,508
Danielle L. Herritt	43,670 35,574	Gerald E. Worth	45,238
Douglas J. Kline	33,374	Yin P. Zhang	44,372
	7		-
☐ Additional registered			
practitioners named on	· ·	1	
supplemental Registered Practitioner Information sheet	I	1	
attached hereto.		1	l

Testa, Hurwitz & Thibeault, LLP

High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100

Declaration and Power of Attorney for Utility or Design Patent Application Serial No. 10/010,769 Atty. Docket No.RSA-054 Page 3 of 3

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inv	entor:			A	petition has be	een filed for	this unsig	ned inventor	
		d middle [if an	vl)	(I) Family Name or Surname					
John G.	(Instan	a middle (1. u	717		Brainard				
Inventor's Signature							Date		
Residence	City	Sudbury	State	MA	Country	USA		Citizenship	USA
Mailing Address	16 Aaron Road								
Mailing Address (In. 2)	City ·	Sudbury	State	MA	ZIP	01776	Count		USA
Additional inventors a	re being	named on the	SI	ipplement	al Additional l	inventor(s) s	heet(s) att	ached hereto.	<u> </u>
Name of Additional Join	t Invento	or, if any:			☐ A petition				
Given Nam	ne (first a	nd middle [if a	ıny])			Fa	mily Name	or Surname	
Burton S.					Kaliski, J	r.			
Inventor's Signature							Date		
Residence	City	Wellesley	State	MA	Country	USA	· · ·	Citizenship	USA
Mailing Address	22 Per	nbroke Road	.!	l					
Mailing Address (In. 2)	City	Wellesley	State	MA	ZIP	02482	Cour	itry	USA
Name of Additional Join	nt Invent	tor, if any:			☐ A peti	ition has bee	n filed for	this unsigned	inventor
Given Name (first and middle [if any])			Family Name or Surname						
Ronald L.	(5.1.				Rivest				
Inventor's Signature	A	mildI	Pu	st.			Date 3/7	/02	
Residence	City	Arlington	State	MA	Country	USA		Citizenship	USA
Mailing Address	41 Ac	ademy Street					_		
Mailing Address (In. 2)	City	Arlington	State	MA	ZIP	02476	Cou	ntry	USA